

Title (en)
SPRAY HEAD WITH PROTECTIVE CAP.

Title (de)
SPRITZDÜSE MIT SCHUTZKAPPE.

Title (fr)
PULVERISATEUR AVEC CAPUCHON DE PROTECTION.

Publication
EP 0270676 A4 19890216 (EN)

Application
EP 87902755 A 19870425

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• JP 15145686 U 19861003

Abstract (en)
[origin: WO8706503A1] Protective means for an exposed working part of an aerosol container. A spray head with a protective cap of the invention comprises a nonrotatable member (1), a rotatable member (2), a push button (3), a projecting pipe (4), and a push lid (5); wherein the nonrotatable member (1) has a cutout part (12) and also a cylindrical wall (11) supported nonrotatably by a spray container (K), the rotatable member (2) having a cylindrical wall (21) which is coaxial with said cylindrical wall (11), said cylindrical wall (21) having a window hole (22) thereon, being circumscribed with said cylindrical wall (11) to be rotatably supported by the spray container (K), said rotatable member having a range of rotation between an operating position at which the window hole (22) is located at a point (A) in front of a push button (3) and within an angular range of the cutout part (12) of the nonrotatable member and a nonoperating position at which said window hole (22) being located at a point (B) within an angular range of the part of the cylindrical wall of the rotatable member where the wall thereof has no cutout part, the push button (3) being fitted to a valve stem (K1) to be supported nonrotatably by the spray container as well, the projected pipe (4) being supported by the push button so as to be restored to a straight-line form from a bent form, and the push lid (5) closing the top of the rotatable member, being supported at its operating position by the push button so as to be associated with said button. According to the invention, changeover from a nonoperating position to an operating position or from an operating position to a nonoperating position can be achieved by giving only a single turn to the rotatable member (2) corresponding to a cap of the spray head, while at an operating position the projecting pipe (4) protrudes from the protective cap and at a nonoperating position said projecting pipe (4) is housed in the protective cap.

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Citation (search report)
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• [Y] US 4354621 A 19821019 - KNICKERBOCKER MICHAEL G
• [X] PATENT ABSTRACTS OF JAPAN, vol. 7, no. 56, 8th March 1983, page 6 C 155; & JP-A-57 204 256 (MITANI VALVE K.K.) 14-12-1982
• See references of WO 8706503A1

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